

(FILE 'HOME' ENTERED AT 15:20:55 ON 08 JUN 2005)
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 15:21:09 ON 08 JUN 2005

L1 5 S (US20040209962 OR US6750256 OR US5536501)/PN
L2 6 S (US2004-758361# OR US99-431542# OR US97-860499# OR WO95-US170
L3 6 S L1,L2
E PROGUARD/PA,CS
L4 16 S E3-E8
E CRANDALL B/AU
L5 17 S E3,E17,E18
E CRANDAL B/AU
E EMERSON R/AU
L6 68 S E3,E10,E12-E14
L7 105 S ALPHA() (HEXYLCINNAMICALDEHYDE OR HEXYLCINNAMIC ALDEHYDE OR HE

FILE 'REGISTRY' ENTERED AT 15:24:33 ON 08 JUN 2005

L8 1 S 101-86-0
L9 0 S 101-86-0/CRN

FILE 'HCAPLUS' ENTERED AT 15:25:35 ON 08 JUN 2005

L10 359 S L8
L11 5 S PHENYLMETHYLENE OCTANAL OR NSC() (46150 OR 406799 OR 46 150 OR
L12 0 S PHENYL METHYLENE OCTANAL
L13 1 S ALPHA HEXYL BETA PHENYLACROLEIN
L14 4 S 2 HEXYL 3 PHENYL 2 PROPENAL
L15 278 S HEXYLCINNAMICALDEHYDE OR HEXYLCINNAMIC ALDEHYDE OR HEXYL CINN
L16 400 S HEXYLCINNAMALDEHYDE OR HEXYL CINNAMALDEHYDE OR HEXYLCINNAM? A
L17 478 S L7,L10-L16
L18 166 S L17 AND (PY<=1994 OR PRY<=1994 OR AY<=1994)
L19 14 S L1-L6 AND L17
L20 6 S L18 AND L19
L21 8 S L3,L20
L22 8 S L19 NOT L21
L23 16 S L19-L22
L24 6 S L18 AND AGR/RL
L25 9 S L18 AND AGR?/SC,SX
L26 5 S L18 AND (?INSECT? OR ?ACARACID? OR ?PESTICID? OR ?ARACHNID?)
E LICE/CT
E E3+ALL
L27 282 S E1
L28 82 S E3
E E2+ALL
L29 596 S E11,E12
L30 57 S E10+NT
L31 35 S PHTHIRAPTER?
L32 61 S E13-E48/BI
L33 1712 S LICE OR LOUSE
E FLEA/CT
L34 272 S E3-E6
E E3+ALL
L35 233 S E1,E2
E E2+ALL
L36 281 S E6-E8
L37 536 S E5+NT
L38 1533 S E5,E9-E111/BI
E ANT/CT
L39 364 S E3,E4
E E3+ALL
L40 220 S E1

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      E E2+ALL
L41      699 S E7-E9
L42     1700 S E6+NT
L43      298 S E5
L44     8026 S FLEA OR ANT
L45        4 S L18 AND L27-L44
L46      19 S L23-L26,L45
      E CHIGGER/CT
L47      48 S E3,E4
      E E3+ALL
      E MOSQUITO/CT
L48     3463 S E3,E7
      E E3+ALL
      E E2+ALL
L49     6670 S E6+NT
      E ACARICIDE/CT
L50     9111 S E4+OLD,NT
      E APHID/CT
L51      738 S E3+OLD,NT
      E TORTRICIDAE/CT
L52     3322 S E3+OLD,NT
      E BLATTARIA/CT
L53     5963 S E3+OLD,NT
      E MOTH/CT
L54     1390 S E3+OLD,NT
      E E3+ALL
L55        7 S L18 AND L47-L54
L56      19 S L46,L55
L57      19 S L56 AND L1-L7,L10-L56
L58      15 S L18 AND ?SHAMPOO?
L59        3 S L57 AND L58
L60      99 S L18 AND COSMETIC?/SC,SX,CW,CT,BI
L61        9 S L18 AND L57
L62      19 S L57,L59,L61
L63      12 S L58 NOT L62

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FILE 'REGISTRY' ENTERED AT 15:42:05 ON 08 JUN 2005

FILE 'HCAPLUS' ENTERED AT 15:42:13 ON 08 JUN 2005

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L64      80 S L18 AND COSMETICS+OLD,NT,PFT,RT/CT NOT L62
L65      52 S L10 AND L64
L66      42 S L8 (L) COS/RL
L67        1 S L66 AND L18
L68      12 S L67,L63
L69      48 S L65 NOT L62,L68
      SEL DN AN 36
L70        1 S L69 AND E1-E3
L71      13 S L68,L70

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FILE 'WPIX' ENTERED AT 15:45:33 ON 08 JUN 2005

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L72      173 S L7/BIX OR L11/BIX OR L12/BIX OR L13/BIX OR L14/BIX OR L15/BIX
      E RA1II/DCN
      E RA1RII/DCN
      E RA14II/DCN
L73      57 S E3-E11
L74     182 S L72,L73
L75      12 S L74 AND A01N035/IPC
L76      18 S L74 AND A01N/IPC
L77      10 S L74 AND (B14-B? OR C14-B?)/MC
L78        5 S L74 AND (B12-L06 OR C12-L06 OR B14-B05 OR C14-B05 OR D09-E02)

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L79 0 S L74 AND (B12-N02 OR C12-N02)/MC
L80 12 S L74 AND (P34? OR P361 OR P33? OR P31? OR P32?)/M0,M1,M2,M3,
L81 21 S L75-L80
L82 2 S L81 AND A61K/IPC
L83 2 S L81 AND (A12-V04A OR D08-B? OR B12-L05 OR C12-L05 OR B14-R02
L84 3 S L82,L83
L85 18 S L81 NOT L84

FILE 'WPIX' ENTERED AT 15:54:44 ON 08 JUN 2005

FILE 'USPATFULL' ENTERED AT 15:55:26 ON 08 JUN 2005

L86 93 S L8
L87 1315 S L7,L11-L16
L88 1322 S L86,L87
L89 574 S L88 AND SHAMPOO?/CT,BI
L90 133 S L88 AND HAIR?/CT
L91 561 S L88 AND HAIR/BI
L92 739 S L89-L91 AND (PY<=1994 OR PRY<=1994 OR AY<=2994)
L93 54 S L88 AND A61K007-06/IPC
L94 50 S L92 AND L93
L95 63 S L88 AND A01N/IPC
L96 28 S L95 AND L92
L97 2 S L95 AND L93
L98 28 S L96,L97
L99 10 S L98 AND A61K/IPC
L100 18 S L89 AND L95
L101 9 S L88 AND (LICE OR LOUSE)/BI,CT
L102 6 S L101 AND L92
L103 1 S L102 AND A61K/IPC
L104 5 S L102 NOT L103

FILE 'USPATFULL' ENTERED AT 16:00:44 ON 08 JUN 2005

=>

=> s 16 and (insect or ectoparasite or larva or larvae or ant or flea)

15 FILES SEARCHED...

L11 99 L6 AND (INSECT OR ECTOPARASITE OR LARVA OR LARVAE OR ANT OR FLEA)

=> s 16 and (insect or ectoparasite or insect larva or insect larvae or ant or flea)

6 FILES SEARCHED...

L12 99 L6 AND (INSECT OR ECTOPARASITE OR INSECT LARVA OR INSECT LARVAE OR ANT OR FLEA)

=> s (dermal or dermatitis or skin) and l12

L13 34 (DERMAL OR DERMATITIS OR SKIN) AND L12

=> dup rem l13

DUPLICATE IS NOT AVAILABLE IN 'IMSPRODUCT'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L13

L14 28 DUP REM L13 (6 DUPLICATES REMOVED)

=> dup rem l12

DUPLICATE IS NOT AVAILABLE IN 'IMSPRODUCT'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L12

L15 64 DUP REM L12 (35 DUPLICATES REMOVED)

=> d 1-28 l14

L14 ANSWER 1 OF 28 USPATFULL on STN

AN 2005:104607 USPATFULL

TI Compositions comprising a dispersant and microcapsules containing an active material and a stabilizer

IN Uchiyama, Hirotaka, Loveland, OH, UNITED STATES

Cetti, Jonathan Robert, Mason, OH, UNITED STATES

Alonso, Mario, Loveland, OH, UNITED STATES

Readnour, Christine Marie, Fort Mitchell, KY, UNITED STATES

Liu, Zaiyou, West Chester, OH, UNITED STATES

Kaiser, Carl Eric, Mason, OH, UNITED STATES

Shirley, Michele Denise, Cincinnati, OH, UNITED STATES

Cobb, Daniel Scott, Loveland, OH, UNITED STATES

PA The Procter & Gamble Company (U.S. corporation)

PI US 2005089540 A1 20050428

AI US 2004-937196 A1 20040909 (10)

PRAI US 2003-502144P 20030911 (60)

DT Utility

FS APPLICATION

LN.CNT 1455

INCL INCLM: 424/401.000

INCLS: 424/059.000; 512/001.000; 510/101.000

NCL NCLM: 424/401.000

NCLS: 424/059.000; 512/001.000; 510/101.000

IC [7]

ICM: A61K007-46

ICS: A61K007-42; C11D003-50; A61K007-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 2

L14 ANSWER 2 OF 28 WPIX COPYRIGHT 2005 THE THOMSON CORP on STN DUPLICATE 1
AN 2004-485842 [46] WPIX
CR 1996-333676 [33]; 1997-489284 [45]; 2004-765505 [75]
DNC C2004-181113
TI Use of a composition comprising **alpha-hexyl cinnamic aldehyde** in specified amount, for decreasing population of **ants** in an area e.g. in garden and inside home.
DC C03
IN CRANDALL, B G; EMERSON, R W
PA (PROG-N) PROGUARD INC
CYC 1
PI US 6750256 B1 20040615 (200446)* 17 A01N035-00
ADT US 6750256 B1 CIP of US 1994-366974 19941230, CIP of US 1995-482222 19950607, CIP of US 1995-860499 19951229, CIP of WO 1995-US17007 19951229, US 1999-431542 19991029
FDT US 6750256 B1 CIP of US 5536501, CIP of US 5676958
PRAI US 1999-431542 19991029; US 1994-366974 19941230;
US 1995-482222 19950607; US 1995-860499 19951229;
WO 1995-US17007 19951229
IC ICM A01N035-00

L14 ANSWER 3 OF 28 USPATFULL on STN
AN 2004:268419 USPATFULL
TI Use of aromatic aldehydes as insecticides
IN Crandall, Bradford G., JR., Davis, CA, UNITED STATES
Emerson, Ralph W., Davis, CA, UNITED STATES
PA ProGuard, Inc. (U.S. corporation)
PI US 2004209962 A1 20041021
AI US 2004-758361 A1 20040114 (10)
RLI Continuation of Ser. No. US 1999-431542, filed on 29 Oct 1999, GRANTED, Pat. No. US 6750256 Continuation-in-part of Ser. No. US 1997-860499, filed on 21 Jul 1997, PENDING Continuation-in-part of Ser. No. US 1995-482222, filed on 7 Jun 1995, GRANTED, Pat. No. US 5676958 Continuation-in-part of Ser. No. US 1994-366974, filed on 30 Dec 1994, GRANTED, Pat. No. US 5536501
DT Utility
FS APPLICATION
LN.CNT 1638
INCL INCLM: 514/701.000
NCL NCLM: 514/701.000
IC [7]
ICM: A01N035-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 4 OF 28 USPATFULL on STN
AN 2004:651 USPATFULL
TI Composition for aroma delivery with improved stability and reduced foaming
IN

L14 ANSWER 5 OF 28 USPATFULL on STN
 AN 2004:33857 USPATFULL
 TI Viscous compositions containing carbon dioxide
 IN Tanaka, Masaya, Kobe, JAPAN
 Hiki, Masato, Osaka, JAPAN
 PA Medion Research Laboratories Inc., Kobe, JAPAN (non-U.S. corporation)
 PI US 6689339 B1 20040210
 WO 9924043 19990520
 AI US 2000-530731 20000817 (9)
 WO 1998-JP4503 19981005
 PRAI JP 1997-305151 19971107
 DT Utility
 FS GRANTED
 LN.CNT 2118
 INCL INCLM: 424/044.000
 INCLS: 424/401.000; 424/464.000; 424/466.000; 424/043.000; 424/700.000;
 424/078.030; 514/817.000; 514/828.000; 514/858.000; 514/887.000;
 514/944.000; 514/945.000; 514/947.000; 514/960.000
 NCL NCLM: 424/044.000
 NCLS: 424/043.000; 424/078.030; 424/401.000; 424/464.000; 424/466.000;
 424/700.000; 514/817.000; 514/828.000; 514/858.000; 514/887.000;
 514/944.000; 514/945.000; 514/947.000; 514/960.000
 IC [7]
 ICM: A61K009-46
 ICS: A61K007-48; A61L009-04; A61L009-015; A01N025-16
 EXF 424/44; 424/401; 424/464; 424/466; 424/43; 424/78.03; 424/700; 514/817;
 514/828; 514/858; 514/887; 514/944; 514/945; 514/947; 514/960
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 6 OF 28 USPATFULL on STN
 AN 2003:307052 USPATFULL
 TI Compositions comprising a dispersant and microcapsules containing an
 active material
 IN Uchiyama, Hirotaka, Loveland, OH, UNITED STATES
 Cetti, Jonathan Robert, Muson, OH, UNITED STATES
 Alonso, Mario, Loveland, OH, UNITED STATES
 Montezinos, David Lee, Hamilton, OH, UNITED STATES
 Cobb, Daniel Scott, Loveland, OH, UNITED STATES
 PA The Procter & Gamble Company (U.S. corporation)
 PI US 2003216488 A1 20031120
 AI US 2003-405678 A1 20030402 (10)
 PRAI US 2002-373439P 20020418 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 1410
 INCL INCLM: 523/102.000
 NCL NCLM: 523/102.000
 IC [7]
 ICM: A61L002-00
 CAS INDEXING IS AVAILABLE FOR THIS PA

ICM: A61L002-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 7 OF 28 USPATFULL on STN
AN 2003:305985 USPATFULL
TI Malodor-controlling compositions comprising odor control agents and
microcapsules containing an active material
IN Uchiyama, Hirotaka, Loveland, OH, UNITED STATES
Cetti, Jonathan Robert, Mason, OH, UNITED STATES
Alonso, Mario, Loveland, OH, UNITED STATES
Montezinos, David Lee, Hamilton, OH, UNITED STATES
Cobb, Daniel Scott, Loveland, OH, UNITED STATES
PA The Procter & Gamble Company (U.S. corporation)
PI US 2003215417 A1 20031120
AI US 2003-405455 A1 20030402 (10)
PRAI US 2002-373718P 20020418 (60)
DT Utility
FS APPLICATION
LN.CNT 1326
INCL INCLM: 424/076.200
NCL NCLM: 424/076.200
IC [7]
ICM: A61L009-015
ICS: A61L009-02; A61L009-14
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 8 OF 28 USPATFULL on STN
AN 2003:194961 USPATFULL
TI Benefit agent delivery systems
IN Dykstra, Robert Richard, Cleves, OH, UNITED STATES
Gray, Lon Montgomery, Florence, KY, UNITED STATES
Gallon, Lois Sara, Finneytown, OH, UNITED STATES
Smets, Johan, Lubbeek, BELGIUM
Fredj, Abdennaceur, Loveland, OH, UNITED STATES
White, Daniel Jerome, JR., West Chester, OH, UNITED STATES
PI US 2003134772 A1 20030717
AI US 2002-269274 A1 20021011 (10)
PRAI US 2001-359644P 20011019 (60)
DT Utility
FS APPLICATION
LN.CNT 1055
INCL INCLM: 512/001.000
INCLS: 512/004.000
NCL NCLM: 512/001.000
NCLS: 512/004.000

L14 ANSWER 28 OF 28 USPATFULL on STN
AN 92:86698 USPATFULL
TI Stabilized emulsion systems
IN Behan, John M., Kennington, Great Britain
Ness, Jeremy N., Chartham, Great Britain
Perring, Keith D., Ashford, Great Britain
Smith, William M., Folkstone, Great Britain
PA Unilever Patent Holdings, B.V., Rotterdam, Netherlands (non-U.S.
corporation)
PI US 5156766 19921020
AI US 1991-727634 19910710 (7)
PRAI EP 1990-307586 19900711
DT Utility
FS Granted
LN.CNT 503
INCL INCLM: 252/312.000
INCLS: 252/315.400; 252/351.000; 252/358.000; 424/450.000
NCL NCLM: 516/054.000
NCLS: 424/450.000; 510/104.000; 510/105.000; 510/159.000; 510/416.000;
516/073.000; 516/074.000; 516/900.000; 516/DIG.001
IC [5]
ICM: B01J013-00
EXF 252/312; 252/31

ANSWER 52 OF 64 USPATFULL on STN

AN 97:52040 USPATFULL
TI Use of saponin in methods and compositions for pathogen control
IN Emerson, Ralph W., Davis, CA, United States
Crandall, Jr., Bradford G., Davis, CA, United States
PA Proguard, Inc., Suisun City, CA, United States (U.S. corporation)
PI US 5639794 19970617
AI US 1995-476840 19950607 (8)
DT Utility
FS Granted

LN.CNT 1871

INCL INCLM: 514/699.000

INCLS: 800/200.000

NCL NCLM: 514/699.000

NCLS: 800/298.000; 800/320.100; 800/323.000

IC [6]

ICM: A61K031-11

ICS: A01G001-00

EXF 514/699; 800/200

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSW

L15 ANSWER 40 OF 64 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 14

AN 1998:542695 CAPLUS

DN 129:132554

TI Stabilized .alpha.-hexylcinnamic aldehyde
insect repellent compositions.

IN Emerson, Ralph W.; Crandall, Bradford G., Jr.

PA Proguard, Inc., USA

SO U.S., 28 pp., Cont.-in-part of U. S. Ser. No. 640,962.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | US 5792467 | A | 19980811 | US 1996-778061 | 19961224 |
| | CA 2196972 | AA | 19961219 | CA 1995-2196972 | 19951229 |
| | CN 1179699 | A | 19980422 | CN 1995-195443 | 19951229 |
| | ZA 9600006 | A | 19960827 | ZA 1996-6 | 19960102 |
| | WO 9827812 | A1 | 19980702 | WO 1997-US23504 | 19971219 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9860134 | A1 | 19980717 | AU 1998-60134 | 19971219 |
| PRAI | US 1995-486943 | A2 | 19950607 | | |
| | US 1996-640962 | A2 | 19960509 | | |
| | US 1996-778061 | A2 | 19961224 | | |
| | WO 1997-US23504 | W | 19971219 | | |

RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 41 OF 64 CROPU COPYRIGHT 2005 THE THOMSON CORP on STN

AN 1998-88254 CROPU Q G

TI Pest repellent compositions for animals used to prevent diseases by
repelling disease-carrying pests, e.g. mosquitoes, ticks or mites.

IN Emerson R W; Crandall B G

PA Proguard

LO Suisun City, Cal., USA

PI WO 9827812 A1 19980702

AI US 1996-778061 19961224

WO 1997-US23504 19971219

DT Patent

LA English

OS WPI: 1998-377284 [32]

FA AB; LA; CT

L15 ANSWER 42 OF 64 USPATFULL on STN

AN 1998:150399 USPATFULL

TI Method for decontamination of a liquid of gaseous environment

IN Emerson, Ralph W., Davis, CA, United States

Crandall, Jr., Bradford G., Davis, CA, United States

PA Proguard, Inc., Suisun City, CA, United States (U.S. corporation)

PI US 5843375 19981201

AI US 1995-485002 19950607 (8)

DT Utility

FS Granted

LN.CNT 495

INCL INCLM: 422/036.000

INCLS: 422/004.000; 055/279.000; 210/501.000; 424/405.000; 514/701.000

NCL NCLM: 422/036.000

NCLS: 096/226.000; 210/501.000; 422/004.000; 424/405.000; 514/701.000

IC [6]

ICM: A01N025-08

ICS: A01N035-00; A61L002-18

EXF 422/4; 422/28; 422/36; 055/279; 210/501; 424/405; 514/701

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 43 OF 64 USPATFULL on STN

AN 1998:85919 USPATFULL

TI Composition for reducing malodor impression on inanimate surfaces

IN Trinh, Toan, Maineville, OH, United States

Cappel, Jerome Paul, Cincinnati, OH, United States

Geis, Philip Anthony, West Chester, OH, United States

Hollingshead, Judith Ann, Batavia, OH, United States

McCarty, Mark Lee, Loveland, OH, United States

Zwerdling, Susan Schmaedecke, Wyoming, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 5783544 19980721

AI US 1997-834611 19970414 (8)

RLI Division of Ser. No. US 1995-543350, filed on 16 Oct 1995, now patented, Pat. No. US 5663134 which is a continuation of Ser. No. US 1994-289991, filed on 12 Aug 1994, now abandoned

DT Utility

FS Granted

LN.CNT 1432

INCL INCLM: 510/293.000

INCLS: 252/861.000; 252/891.000; 422/005.000; 424/076.100; 510/101.000; 510/102.000; 510/103.000; 510/319.000; 510/337.000; 510/342.000; 510/383.000; 510/386.000; 510/405.000; 510/406.000; 510/470.000; 510/513.000

NCL NCLM: 510/293.000

NCLS: 252/008.610; 252/008.910; 422/005.000; 424/076.100; 510/101.000; 510/102.000; 510/103.000; 510/319.000; 510/337.000; 510/342.000; 510/383.000; 510/386.000; 510/405.000; 510/406.000; 510/470.000; 510/513.000

IC [6]

ICM: C11D017-00

ICS: C11D007-26; C11D007-12

EXF 422/5; 424/76.1; 252/8.61; 252/8.91; 106/205.01; 106/205.1; 510/405; 510/406; 510/101; 510/513; 510/103; 510/102; 510/293; 510/319; 510/337; 510/342; 510/470; 510/383; 510/386

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 44 OF 64 USPATFULL on STN

AN 1998:39258 USPATFULL

TI Method and composition for disinfection of a contaminated environment

IN Emerson, Ralph W., Davis, CA, United States

Crandall, Jr., Bradford G., Davis, CA, United States

PA Proguard, Inc., Suisun City, CA, United States (U.S. corporation)

.. 15 FILES SEARCHED...

L5 1602 (ALPHAHEXYL CINNAMIC ALDEHYDE OR ALPHA HEXYL CINNAMIC ALDEHYDE
OR HEXYL CINNAMIC ALDEHYDE OR 2-HEXYL-3-PHENYL-2-PROPENAL OR
L4)

=> s (alphahexyl cinnamic aldehyde or alpha hexyl cinnamic aldehyde or alpha-hexylcinnamic
aldehyde or 2-hexyl-3-phenyl-2-propenal or l4)

10 FILES SEARCHED...

12 FILES SEARCHED...

17 FILES SEARCHED...

L6 860 (ALPHAHEXYL CINNAMIC ALDEHYDE OR ALPHA HEXYL CINNAMIC ALDEHYDE
OR ALPHA-HEXYLCINNAMIC ALDEHYDE OR 2-HEXYL-3-PHENYL-2-PROPENAL
OR L4)

=> s (lice or louse or pediculitis or pediculosis) or
MISSING TERM AFTER ICULOSIS) OR

Operators must be followed by a search term, L-number, or query name.

=> s (lice or louse or pediculitis or pediculosis)

L7 23184 (LICE OR LOUSE OR PEDICULITIS OR PEDICULOSIS)

=> s pediculicidal

L8 354 PEDICULICIDAL

=> s l6 and (l7 or l8)

L9 25 L6 AND (L7 OR L8)

=> dup rem l9

DUPLICATE IS NOT AVAILABLE IN 'IMSPRODUCT'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

COMMAND INTERRUPTED

If this message appears repeatedly, please notify the Help Desk.

Enter "HELP STN" for information on contacting the nearest STN Help
Desk by telephone or via SEND in the STNMAIL file.

=> dup rem l9

DUPLICATE IS NOT AVAILABLE IN 'IMSPRODUCT'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L9

L10 12 DUP REM L9 (13 DUPLICATES REMOVED)

=> d 1-12

L10 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1

AN 2004:485164 CAPLUS

DN 141:2864

TI Use of aromatic aldehydes as insecticides and acaricides

IN Crandall, Bradford G., Jr.; Emerson, Ralph W.

PA Proguard, Inc., USA

SO U.S., 17 pp., Cont.-in-part of U.S. Ser. No. 860,499.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 6

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | US 6750256 | B1 | 20040615 | US 1999-431542 | 19991029 |
| | US 5536501 | A | 19960716 | US 1994-366974 | 19941230 |
| | US 5676958 | A | 19971014 | US 1995-482222 | 19950607 |
| | WO 9620594 | A1 | 19960711 | WO 1995-US17007 | 19951229 |
| | W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI | | | | |
| | RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | US 2004209962 | A1 | 20041021 | US 2004-758361 | 20040114 |

PRAI US 1994-366974 A2 19941230
US 1995-482222 A2 19950607
WO 1995-US17007 W 19951229
US 1997-860499 A2 19970721
US 1999-431542 A1 19991029

RE.CNT 62 THERE ARE 62 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 12 WPIX COPYRIGHT 2005 THE THOMSON CORP on STN DUPLICATE 2

AN 2004-765505 [75] WPIX

CR 1996-333676 [33]; 1997-489284 [45]; 2004-485842 [46]

DNC C2004-268317

TI Decreasing insect population, e.g. ant, flea, louse, or larva,
comprises contacting member of population, food supply, or habitat of
member with composition comprising **alpha-hexyl**
cinnamic aldehyde.

DC C03

IN CRANDALL, B G; EMERSON, R W

PA (PROG-N) PROGUARD INC

CYC 1

PI US 2004209962 A1 20041021 (200475)* 17 A01N035-00

ADT US 2004209962 A1 CIP of US 1994-366974 19941230, CIP of US 1995-482222
19950607, CIP of US 1997-860499 19970721, Cont of US 1999-431542 19991029,
US 2004-758361 20040114

FDT US 2004209962 A1 CIP of US 5536501, CIP of US 5676958, Cont of US 6750256

PRAI US 1999-431542 19991029; US 1994-366974 19941230;

US 1995-482222 19950607; US 1997-860499 19970721;

US 2004-758361 20040114

IC ICM A01N035-00

L10 ANSWER 3 OF 12 USPATFULL on STN

AN 2003:5432 USPATFULL

TI Microbiocidal and pesticidal aromatic aldehydes

IN Crandall, Bradford G., JR., Davis, CA, UNITED STATES

Emerson, Ralph W., Davis, CA, UNITED STATES

PA ProGuard, Inc. (U.S. corporation)

PI US 2003005484 A1 20030102

AI US 2002-7657 A1 20020405 (10)

RLI Continuation of Ser. No. US 1999-418676, filed on 14 Oct 1999, ABANDONED
Continuation-in-part of Ser. No. US 1998-155289, filed on 16 Nov 1998,
ABANDONED Continuation-in-part of Ser. No. US 1996-624700, filed on 25
Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1997-860514,
filed on 21 Jul 1997, ABANDONED Continuation-in-part of Ser. No. US
1995-479623, filed on 7 Jun 1995, GRANTED, Pat. No. US 6251951
Continuation-in-part of Ser. No. US 1994-366973, filed on 30 Dec 1994,
ABANDONED

DT Utility

FS APPLICATION

LN.CNT 3404

INCL INCLM: 800/279.000

INCLS: 514/532.000; 514/570.000; 514/701.000; 514/730.000

NCL NCLM: 800/279.000

NCLS: 514/532.000; 514/570.000; 514/701.000; 514/730.000

IC [7]

ICM: A01H001-00

ICS: A01N037-10; A01N035-00; A01N031-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 4 OF 12 USPATFULL on STN

AN 2002:186178 USPATFULL

TI Use of flavonoid aldehydes as pesticides

IN Emerson, Ralph W., Davis, CA, UNITED STATES

Crandall, Bradford G., JR., Davis, CA, UNITED STATES

PA ProGuard, Inc. (U.S. corporation)

PI US 2002099101 A1 20020725

AI US 2001-866552 A1 20010525 (9)

RLI Continuation of Ser. No. US 1997-860514, filed on 21 Jul 1997, ABANDONED
A 371 of International Ser. No. WO 1995-US17053, filed on 29 Dec 1995,

UNKNOWN Continuation-in-part of Ser. No. US 1995-479623, filed on 7 Jun 1995, PATENTED Continuation-in-part of Ser. No. US 1994-366973, filed on 30 Dec 1994, PENDING

DT Utility
FS APPLICATION
LN.CNT 2989

INCL INCLM: 514/729.000
INCLS: 514/701.000; 514/693.000
NCL NCLM: 514/729.000
NCLS: 514/701.000; 514/693.000

IC [7]
ICM: A01N031-00
ICS: A01N035-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 3
AN 1998:479361 CAPLUS
DN 129:91753
TI Insect repellent compositions containing aromatic aldehydes
IN Emerson, Ralph W.; Crandall, Bradford G., Jr.
PA Proguard, Inc., USA
SO PCT Int. Appl., 73 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9827812 | A1 | 19980702 | WO 1997-US23504 | 19971219 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | US 5792467 | A | 19980811 | US 1996-778061 | 19961224 |
| | AU 9860134 | A1 | 19980717 | AU 1998-60134 | 19971219 |
| PRAI | US 1996-778061 | A2 | 19961224 | | |
| | US 1995-486943 | A2 | 19950607 | | |
| | US 1996-640962 | A2 | 19960509 | | |
| | WO 1997-US23504 | W | 19971219 | | |

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 4
AN 1998:774009 CAPLUS
DN 130:11558
TI Aromatic aldehydes and related aromatic compounds as insecticides and acaricides
IN Emerson, Ralph W.; Crandall, Bradford G., Jr.
PA Proguard, Inc., USA
SO U.S., 17 pp., Cont.-in-part of U.S. 5,676,958.
CODEN: USXXAM

DT Patent
LA English

FAN.CNT 6

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | US 5839224 | A | 19981124 | US 1996-621852 | 19960325 |
| | US 5536501 | A | 19960716 | US 1994-366974 | 19941230 |
| | US 5676958 | A | 19971014 | US 1995-482222 | 19950607 |
| | WO 9735476 | A2 | 19971002 | WO 1997-US5369 | 19970325 |
| | WO 9735476 | A3 | 19971127 | | |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, | | | | |

RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN,
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB,
GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN,
ML, MR, NE, SN, TD, TG

AU 9724319 A1 19971017 AU 1997-24319 19970325
PRAI US 1994-366974 A2 19941230
US 1995-482222 A2 19950607
US 1996-621852 A2 19960325
WO 1997-US5369 W 19970325

OS MARPAT 130:11558

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5

AN 1998:542695 CAPLUS

DN 129:132554

TI Stabilized .alpha.-hexylcinnamic aldehyde
insect repellent compositions.

IN Emerson, Ralph W.; Crandall, Bradford G., Jr.

PA Proguard, Inc., USA

SO U.S., 28 pp., Cont.-in-part of U. S. Ser. No. 640,962.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | US 5792467 | A | 19980811 | US 1996-778061 | 19961224 |
| | CA 2196972 | AA | 19961219 | CA 1995-2196972 | 19951229 |
| | CN 1179699 | A | 19980422 | CN 1995-195443 | 19951229 |
| | ZA 9600006 | A | 19960827 | ZA 1996-6 | 19960102 |
| | WO 9827812 | A1 | 19980702 | WO 1997-US23504 | 19971219 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9860134 | A1 | 19980717 | AU 1998-60134 | 19971219 |
| PRAI | US 1995-486943 | A2 | 19950607 | | |
| | US 1996-640962 | A2 | 19960509 | | |
| | US 1996-778061 | A2 | 19961224 | | |
| | WO 1997-US23504 | W | 19971219 | | |

RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 8 OF 12 CROPU COPYRIGHT 2005 THE THOMSON CORP on STN

AN 1998-88254 CROPU Q G

TI Pest repellent compositions for animals used to prevent diseases by
repelling disease-carrying pests, e.g. mosquitoes, ticks or mites.

IN Emerson R W; Crandall B G

PA Proguard

LO Suisun City, Cal., USA

PI WO 9827812 A1 19980702

AI US 1996-778061 19961224

WO 1997-US23504 19971219

DT Patent

LA English

OS WPI: 1998-377284 [32]

FA AB; LA; CT

L10 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:650245 CAPLUS

DN 127:289371

TI Microencapsulated aromatic aldehyde insecticides and acaricides

IN Emerson, Ralph W.; Crandall, Bradford G., Jr.
 PA Proguard, Inc., USA; Emerson, Ralph W.; Crandall, Bradford G., Jr.
 SO PCT Int. Appl., 52 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 6

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9735476 | A2 | 19971002 | WO 1997-US5369 | 19970325 |
| | WO 9735476 | A3 | 19971127 | | |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | US 5839224 | A | 19981124 | US 1996-621852 | 19960325 |
| | AU 9724319 | A1 | 19971017 | AU 1997-24319 | 19970325 |
| PRAI | US 1996-621852 | A2 | 19960325 | | |
| | US 1994-366974 | A2 | 19941230 | | |
| | US 1995-482222 | A2 | 19950607 | | |
| | WO 1997-US5369 | W | 19970325 | | |
| OS | MARPAT 127:289371 | | | | |

L10 ANSWER 10 OF 12 CROPU COPYRIGHT 2005 THE THOMSON CORP on STN
 AN 1998-80267 CROPU I D G
 TI Composition comprises microcapsules containing aromatic aldehydes has polymer shell, useful for controlling insects and arachnids.
 IN Emerson R W; Crandall B G
 PA Proguard
 LO Suisan City, Cal., USA
 PI WO 9735476 A2 19971002
 AI US 1996-621852 19960325
 WO 1997-US5369 19970325
 DT Patent
 LA English
 OS WPI: 1997-489284 [45]
 FA AB; LA; CT

L10 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1996:529799 CAPLUS
 DN 125:161139
 TI Flavonoid aldehydes as insecticides and acaricides
 IN Emerson, Ralph W.; Crandall, Bradford B., Jr.
 PA Proguard, Inc., USA
 SO PCT Int. Appl., 44 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 6

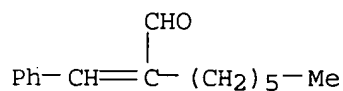
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 9620594 | A1 | 19960711 | WO 1995-US17007 | 19951229 |
| | W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI | | | | |
| | RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | US 5536501 | A | 19960716 | US 1994-366974 | 19941230 |
| | US 5676958 | A | 19971014 | US 1995-482222 | 19950607 |
| | AU 9646475 | A1 | 19960724 | AU 1996-46475 | 19951229 |
| | AU 705775 | B2 | 19990603 | | |
| | BR 9510179 | A | 19971014 | BR 1995-10179 | 19951229 |

| | | | | |
|---|-------------------|----------|----------------|----------|
| EP 800344 | A1 | 19971015 | EP 1995-944424 | 19951229 |
| EP 800344 | B1 | 20030319 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE | | | | |
| AT 234554 | E | 20030415 | AT 1995-944424 | 19951229 |
| US 6750256 | B1 | 20040615 | US 1999-431542 | 19991029 |
| PRAI US 1994-366974 | A | 19941230 | | |
| US 1995-482222 | A2 | 19950607 | | |
| WO 1995-US17007 | W | 19951229 | | |
| US 1997-860499 | A2 | 19970721 | | |
| OS | MARPAT 125:161139 | | | |

L10 ANSWER 12 OF 12 CROPU COPYRIGHT 2005 THE THOMSON CORP on STN
 AN 1996-87869 CROPU I G S
 TI Controlling insect or arachnid population by contacting with formulation
 containing natural flavonoid aldehyde compounds, e.g. cinnamic aldehyde.
 IN Emerson R W; Crandall B B
 PA Proguard
 LO Suisun City, Cal., USA
 PI WO 9620594 A1 19960711
 AI US 1994-366974 19941230
 US 1995-482222 19950607
 WO 1995-US17007 19951229
 DT Patent
 LA English
 OS WPI: 1996-333676 [33]
 FA AB; LA; CT

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L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 101-86-0 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Octanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Cinnamaldehyde, α -hexyl- (6CI, 8CI)
 OTHER NAMES:
 CN α -Hexylcinnamaldehyde
 CN α -Hexylcinnamic aldehyde
 CN α -Hexylcinnamyl aldehyde
 CN α -n-Hexyl- β -phenylacrolein
 CN α -n-Hexylcinnamaldehyde
 CN 2-(Phenylmethylene)octanal
 CN 2-Hexyl-3-phenyl-2-propenal
 CN 2-Hexylcinnamaldehyde
 CN Hexyl cinnamic aldehyde
 CN NSC 406799
 CN NSC 46150
 FS 3D CONCORD
 MF C15 H20 O
 LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS,
 CASREACT, CBNB, CHEMCATS, CHEMLIST, CSChem, CSNB, EMBASE, IFICDB,
 IFIPAT, IFIUDB, MEDLINE, NAPRALERT, NIOSHTIC, RTECS*, SPECINFO,
 TOXCENTER, ULIDAT, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

358 REFERENCES IN FILE CA (1907 TO DATE)
 7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 359 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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